Title (en)

Transmitting/reflecting emanating light with time variation

Title (de)

Durchlassen/Reflektieren von ausstrahlendem Licht mit Zeitvariation

Title (fr)

Transmission/réflexion de lumière d'émission avec une variation temporelle

Publication

**EP 2085762 B1 20180704 (EN)**

Application

**EP 09151643 A 20090129**

Priority

- US 2449008 A 20080201
- US 2248508 A 20080130
- US 2343608 A 20080131

Abstract (en)

[origin: EP2085762A2] A filter arrangement can transmit and/or reflect light emanating from a moving object so that the emanating light has time variation, and the time variation can include information about the object, such as its type. For example, emanating light from segments of a path can be transmitted/reflected through positions of a filter assembly, and the transmission functions of the positions can be sufficiently different that time variation occurs in the emanating light between segments. Or emanating light from a segment can be transmitted/reflected through a filter component in which simpler transmission functions are superimposed, so that time variation occurs in the emanating light in accordance with superposition of two simpler non-uniform transmission functions. Many filter arrangements could be used, e.g. the filter component could include the filter assembly, which can have one of the simpler non-uniform transmission functions. Time-varying waveforms from sensing results can be compared to obtain spectral differences.

IPC 8 full level

**G01N 21/05** (2006.01); G01N 15/10 (2006.01); G01N 15/14 (2006.01); G01N 21/03 (2006.01)

CPC (source: EP)

**G01N 21/05** (2013.01); G01N 15/1429 (2013.01); G01N 2015/1006 (2013.01); G01N 2021/0346 (2013.01)

Cited by

EP4194910A1; CN110383047A; US10732090B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 2085762 A2 20090805**; **EP 2085762 A3 20120530**; **EP 2085762 B1 20180704**; JP 2009180727 A 20090813; JP 2014115300 A 20140626; JP 5484744 B2 20140507; JP 5860077 B2 20160216

DOCDB simple family (application)

**EP 09151643 A 20090129**; JP 2009019131 A 20090130; JP 2014029914 A 20140219